



Global climate change and human health

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Abstract:

Global climate change is a vexing economic, environmental, and public health problem. Climatologists have documented a rise in global average temperature that is unprecedented since the Industrial Revolution. This temperature change correlates with increasing concentrations of atmospheric carbon dioxide (CO₂) and other greenhouse gases, which largely are of human origin. Global climate change is likely to profoundly affect global health. This article summarizes the science of climatology and global climate change caused by human actions and reviews potential health effects.

Source: Ask your librarian to help locate this item.

Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Ecosystem Changes, Extreme Weather Event, Food/Water Quality, Glacier/Snow Melt, Human Conflict/Displacement, Precipitation, Sea Level Rise, Temperature

Extreme Weather Event: Drought, Flooding, Hurricanes/Cyclones

Food/Water Quality: Pathogen

Temperature: Extreme Heat, Fluctuations

Geographic Feature:

resource focuses on specific type of geography

Ocean/Coastal, Urban

Geographic Location:

resource focuses on specific location

Global or Unspecified

Health Impact:

specification of health effect or disease related to climate change exposure

Cardiovascular Effect, Infectious Disease, Injury, Mental Health/Stress, Morbidity/Mortality, Other Health

Climate Change and Human Health Literature Portal

Impact

Infectious Disease: Airborne Disease, Foodborne/Waterborne Disease, General Infectious Disease, Vectorborne Disease, Zoonotic Disease

Airborne Disease: Meningitis

Foodborne/Waterborne Disease: Cholera, Cryptosporidiosis, Giardiasis, Leptospirosis, Meliodidosis

Vectorborne Disease: Fly-borne Disease, General Vectorborne, Mosquito-borne Disease, Tick-borne Disease

Fly-borne Disease: Trypanosomiasis

Mosquito-borne Disease: Dengue, Malaria, Rift Valley Fever, Yellow Fever

Tick-borne Disease: Anaplasmosis, Babesiosis, Lyme Disease, Tick-borne Encephalitis

Zoonotic Disease: General Zoonotic Disease, Hantavirus Pulmonary Syndrome

Mental Health Effect/Stress: Other Mental Disorder

Other Health Impact: Heat exhaustion; Heat stroke

Medical Community Engagement:

resource focus on how the medical community discusses or acts to address health impacts of climate change

A focus of content

Mitigation/Adaptation:

mitigation or adaptation strategy is a focus of resource

Adaptation, Mitigation

Population of Concern: A focus of content

Population of Concern:

populations at particular risk or vulnerability to climate change impacts

Low Socioeconomic Status, Workers

Other Vulnerable Population: Pre-existing medical conditions; Social isolation; Homeless

Resource Type:

format or standard characteristic of resource

Review

Resilience:

capacity of an individual, community, or institution to dynamically and effectively respond or adapt to shifting climate impact circumstances while continuing to function

A focus of content

Timescale:

time period studied

Time Scale Unspecified